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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/925,580	08/09/2001	Vugranam C. Sreedhar	YOR920010262US2	2877

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EXAMINER

VO, TED T

ART UNIT	PAPER NUMBER
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2191

DATE MAILED: 11/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/925,580

Applicant(s)

SREEDHAR, VUGRANAM C.

Examiner

Ted T. Vo

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 August 2006, Appeal brief.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 2-4, 10-12 and 18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 2-4, 10-12 and 18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

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DETAILED ACTION

1. In view of the Appeal Brief filed on 08/21/2006, PROSECUTION IS HEREBY REOPENED.
Claims 2-4, 10-12, 18 are pending.

Response to Arguments

2. Examiner does not respond Applicants' argument because of new ground of rejection.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 2-4, 10-12, 18 are rejected under 35 U.S.C. 102(b) as being anticipated by Posnak, Lavender et al "Adaptive Configuration an Object Structural Pattern for Adaptive Applications", 1996 (Hereinafter: Lavender)

Given the broadest reasonable interpretation of followed claims in light of the specification:

As per Claim 4: Lavender discloses,

A method for programming a software component, said method comprising the steps of:

defining properties of said software component (e.g. components as shown in Figure 1, where a component can be defined as a consumer, producer etc., (p. 3). E.g., a consumer component defines the interface for inputting data or control information to a protocol component. This also defines the

component's type for the purposes of composition), *including at least one input port and at least one output port* (See Figure 3, input/output);
providing a software mechanism for instantiating said software component (consumer, producer are classes of software components that are instantiated at run-time); *and*
utilizing an attach command to attach at least one of said of said at least one input port to a class (See p. 8: show various ways of using a attach command "attach()". The attachment is a depending on defining parameters within the attach command, such as Attach(parameter, parameter, parameter, etc.,). Within an input port to inside classes that define that component, invocation of an attach() provides attachment of a port to a class. For example, in Figure 2 and Figure 3. showing an attachment of consumer input port to a class transform, i.e. output → input → transform → output (reading: *one input port to a class*). Further see (p.3): "Module implements the transformation of input data. A Module inherits from Consumer, which defines its type and input interface, and Producer, which has ports that provide the implementation to attach to other components"). Thus the transform acts as a class and attached by an input of a component before the component's output port connected to another component. Also see p. 6 shows class Port and refers to the statement: "int InputPort // input port attached to this port").

As per claim 2: From further limitation of Claim 1, Lavender further discloses,
further comprising the step of allowing said software component to access an external environment only through said output port (See page Figure 3, connection component to component, using the output port).

As per Claim 3: From further limitation of Claim 1, Magee further discloses,
further comprising the step of allowing a client to access said software component only through said input port (See Figure 1, See Media Object, graphically, it shows such accessibility).

As per Claim 12: Claimed limitation has the functionally corresponding to the limitation of claim 4. See rationale as discussed above for Claim 4.

As per Claims 10, 11: Claims are rejected in the same reasons as set forth in connecting to the rejections of Claims 2, and 3, because the claimed functionality is corresponding to the functionality of Claims 2 and 3, respectively. See rationale as discussed above for Claims 2 and 3.

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As per Claim 18: Claim is rejected in the same reasons as set forth in connecting to the rejections of Claim 4 because the claimed functionality is corresponding to the functionality of Claim 4.

See rationale as discussed above for Claim 4 above.

Conclusion


5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted T. Vo whose telephone number is (571) 272-3706. The examiner can normally be reached on 8:00AM to 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wei Y. Zhen can be reached on (571) 272-3708.

The facsimile number for the organization where this application or proceeding is assigned is the Central Facsimile number **571-273-8300**.

Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist: 571-272-2100. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TTV
November 09, 2006


**TED VO
PRIMARY EXAMINER
TECHNOLOGY CENTER 2100**